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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/765,058	01/16/2001	Mandayam Andampikai Sridhar	AMPSP003	7712
7590	03/03/2003			
Joseph A. Nguyen 3410 Antonacci Ct. San Jose, CA 95148			EXAMINER LY, ANH <i>S</i>	
		ART UNIT 2172	PAPER NUMBER DATE MAILED: 03/03/2003	

Please find below and/or attached an Office communication concerning this application or proceeding.

SM

Office Action Summary	Application No.	Applicant(s)	
	09/765,058	SRIDHAR, MANDAYAM ANDAMPIKAI	
	Examiner	Art Unit	
	Anh Ly	2172	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

**A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM
 THE MAILING DATE OF THIS COMMUNICATION.**

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 16 January 2001.
- 2a) This action is FINAL. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-4 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 1-4 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) The proposed drawing correction filed on _____ is: a) approved b) disapproved by the Examiner.
 If approved, corrected drawings are required in reply to this Office action.
- 12) The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
 a) The translation of the foreign language provisional application has been received.
- 15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) Notice of References Cited (PTO-892)
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____
- 4) Interview Summary (PTO-413) Paper No(s) _____.
 5) Notice of Informal Patent Application (PTO-152)
 6) Other: _____

DETAILED ACTION

1. Claims 1-4 are pending in this application.

Specification

2. The abstract of the disclosure is objected to because the third line of abstract, "The link tables has" replace with –The link table has--.

Correction is required. See MPEP § 608.01(b).

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in–
(1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effect under this subsection of a national application published under section 122(b) only if the international application designating the United States was published under Article 21(2)(a) of such treaty in the English language; or
(2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that a patent shall not be deemed filed in the United States for the purposes of this subsection based on the filing of an international application filed under the treaty defined in section 351(a).

4. Claims 1-4 are rejected under 35 U.S.C. 102(b) as being anticipated by US Patent No. 5,933,831 issued to Jorgensen.

With respect to claim 1, Jorgensen discloses creating a first user data model for said link table (the generation of hyperlinked entity relationship: col. 6, lines 24-30; also see abstract and fig. 2) , said first user data model representing said link table (col. 2, lines 23-26 and see fig. 4) as a child vector node (child table: col. 5, lines 28-40) and

said foreign key attribute as an attribute of said child vector node (see fig. 4 and abstract; also see col. 2, lines 20-26); substituting said foreign key attribute in said first user data model with a given attribute associated with said one of said plurality of said other tables, thereby forming a second user data model; creating a dereferenced table from said link table using said second user data model, said dereferenced table providing, for each of said plurality of link records (in the relational database, the linked tables will including a plurality of link records: col. 2, lines 23-26), content associated with said given attribute in a given record of said one of said other tables for a value associated with said foreign key attribute in said link table, said value associated with said foreign key attribute in said link table identifying said given record of said one of said other tables (col. 2, lines 18-26)..

With respect to claim 2, Jorgensen discloses wherein said given attribute is an attribute arbitrarily selected from attributes of said one of said plurality of other tables (primary key attribute is an foreign key attribute of other table: see fig. 4, Location-ID and Lot-ID in table of Product).

With respect to claim 3, Jorgensen discloses wherein said given attribute is the first attribute that comes after the record ID attribute in said one of said plurality of other tables (primary key: see abstract, col. 4, lines 53-55).

With respect to claim 4, Jorgensen discloses presenting said second user data model to a user prior to said creating; permitting said user to specify a user-specified attribute as a substitute for said foreign key attribute, said user-specified attribute representing either a single attribute of said one of said plurality of other tables or a

compound attribute that includes multiple attributes of said one of said plurality of other tables; and updating said given attribute with said user-specified attribute (see fig. 4 and col. 1, lines 22-45).

Contact Information

5. Any inquiry concerning this communication should be directed to Anh Ly whose telephone number is (703) 306-4527 or via E-Mail: **ANH.LY@USPTO.GOV**. The examiner can be reached on Monday – Friday from 8:00 AM to 4:00 PM.

If attempts to reach the examiner are unsuccessful, see the examiner's supervisor, Kim Vu, can be reached on (703) 305-4393.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

or faxed to: (703) 746-7238 (after Final Communication)

or: (703) 746-7239 (for formal communications intended for entry)

or: (703) 746-7240 (for informal or draft communications, or Customer Service Center, please label "PROPOSED" or "DRAFT")

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, Fourth Floor (receptionist).

Inquiries of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 305-3900.

[Signature]
HOSAIN T. ALAM
PRIMARY EXAMINER

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Feb. 24th, 2003.